

## Patent Application US/07/695,201B

## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

(i) APPLICANT: Higuchi, Russell H.

(ii) TITLE OF INVENTION: Homogeneous Methods for Nucleic Acid  
Amplification and Detection

(iii) NUMBER OF SEQUENCES: 14

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Cetus Corporation  
(B) STREET: 1400 Fifty-Third Street  
(C) CITY: Emeryville  
(D) STATE: California  
(E) COUNTRY: USA  
(F) ZIP: 94608

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Sias, Stacey R.  
(B) REGISTRATION NUMBER: 32,630  
(C) REFERENCE/DOCKET NUMBER: 2599

## (ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (415) 420-3197  
(B) TELEFAX: (415) 658-5239  
(C) TELEX: 4992659

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 26 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

## Patent Application US/07/695,201B

54  
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
56  
57 GTGCTGCAGG TGTAAGCTTG TACCAG 26  
58  
59 (2) INFORMATION FOR SEQ ID NO:2:  
60  
61 (i) SEQUENCE CHARACTERISTICS:  
62 (A) LENGTH: 28 base pairs  
63 (B) TYPE: nucleic acid  
64 (C) STRANDEDNESS: single  
65 (D) TOPOLOGY: linear  
66  
67 (ii) MOLECULE TYPE: DNA (genomic)  
68  
69  
70  
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
72  
73 CACGGATCCG GTAGCAGCGG TAGAGTTG 28  
74  
75 (2) INFORMATION FOR SEQ ID NO:3:  
76  
77 (i) SEQUENCE CHARACTERISTICS:  
78 (A) LENGTH: 17 base pairs  
79 (B) TYPE: nucleic acid  
80 (C) STRANDEDNESS: single  
81 (D) TOPOLOGY: linear  
82  
83 (ii) MOLECULE TYPE: DNA (genomic)  
84  
85  
86  
87 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
88  
89 GTGTAACTT GTACCAG 17  
90  
91 (2) INFORMATION FOR SEQ ID NO:4:  
92  
93 (i) SEQUENCE CHARACTERISTICS:  
94 (A) LENGTH: 16 base pairs  
95 (B) TYPE: nucleic acid  
96 (C) STRANDEDNESS: single  
97 (D) TOPOLOGY: linear  
98  
99 (ii) MOLECULE TYPE: DNA (genomic)  
100  
101  
102  
103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
104  
105 GGTAGCAGCG GTAGAG 16  
106

## Patent Application US/07/695,201B

107 (2) INFORMATION FOR SEQ ID NO:5:

108

109 (i) SEQUENCE CHARACTERISTICS:

110 (A) LENGTH: 27 base pairs

111 (B) TYPE: nucleic acid

112 (C) STRANDEDNESS: single

113 (D) TOPOLOGY: linear

114

115 (ii) MOLECULE TYPE: DNA (genomic)

116

117

118

119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

120

121 CCGGATCCTT CGTGTCCCA CAGCAGC

27

122

123 (2) INFORMATION FOR SEQ ID NO:6:

124

125 (i) SEQUENCE CHARACTERISTICS:

126 (A) LENGTH: 27 base pairs

127 (B) TYPE: nucleic acid

128 (C) STRANDEDNESS: single

129 (D) TOPOLOGY: linear

130

131 (ii) MOLECULE TYPE: DNA (genomic)

132

133

134

135 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

136

137 CTCCCCAACC CCGTAGTTGT GTCTGCA

27

138

139 (2) INFORMATION FOR SEQ ID NO:7:

140

141 (i) SEQUENCE CHARACTERISTICS:

142 (A) LENGTH: 21 base pairs

143 (B) TYPE: nucleic acid

144 (C) STRANDEDNESS: single

145 (D) TOPOLOGY: linear

146

147 (ii) MOLECULE TYPE: DNA (genomic)

148

149

150

151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

152

153 TCCACTTTAT TCCAGGCCTG T

21

154

155 (2) INFORMATION FOR SEQ ID NO:8:

156

157 (i) SEQUENCE CHARACTERISTICS:

158 (A) LENGTH: 23 base pairs

159 (B) TYPE: nucleic acid

## Patent Application US/07/695,201B

160 (C) STRANDEDNESS: single

161 (D) TOPOLOGY: linear

162

163 (ii) MOLECULE TYPE: DNA (genomic)

164

165

166

167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

168

169 TTGAATGGAA TGGGAACGAA TGG

23

170

171 (2) INFORMATION FOR SEQ ID NO:9:

172

173 (i) SEQUENCE CHARACTERISTICS:

174 (A) LENGTH: 19 base pairs

175 (B) TYPE: nucleic acid

176 (C) STRANDEDNESS: single

177 (D) TOPOLOGY: linear

178

179 (ii) MOLECULE TYPE: DNA (genomic)

180

181

182

183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

184

185 AATAGACCAA TAGGCAGAG

19

186

187 (2) INFORMATION FOR SEQ ID NO:10:

188

189 (i) SEQUENCE CHARACTERISTICS:

190 (A) LENGTH: 14 base pairs

191 (B) TYPE: nucleic acid

192 (C) STRANDEDNESS: single

193 (D) TOPOLOGY: linear

194

195 (ii) MOLECULE TYPE: DNA (genomic)

196

197

198

199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

200

201 CACCTGACTC CTGA

14

202

203 (2) INFORMATION FOR SEQ ID NO:11:

204

205 (i) SEQUENCE CHARACTERISTICS:

206 (A) LENGTH: 14 base pairs

207 (B) TYPE: nucleic acid

208 (C) STRANDEDNESS: single

209 (D) TOPOLOGY: linear

210

211 (ii) MOLECULE TYPE: DNA (genomic)

212

## Patent Application US/07/695,201B

213  
214  
215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
216  
217 CACCTGACTC CTGT 14  
218  
219 (2) INFORMATION FOR SEQ ID NO:12:  
220  
221 (i) SEQUENCE CHARACTERISTICS:  
222 (A) LENGTH: 26 base pairs  
223 (B) TYPE: nucleic acid  
224 (C) STRANDEDNESS: single  
225 (D) TOPOLOGY: linear  
226  
227 (ii) MOLECULE TYPE: DNA (genomic)  
228  
229  
230  
231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
232  
233 CCAGGCCAGA TGAGAGAACC AAGGGG 26  
234  
235 (2) INFORMATION FOR SEQ ID NO:13:  
236  
237 (i) SEQUENCE CHARACTERISTICS:  
238 (A) LENGTH: 53 base pairs  
239 (B) TYPE: nucleic acid  
240 (C) STRANDEDNESS: single  
241 (D) TOPOLOGY: linear  
242  
243 (ii) MOLECULE TYPE: DNA (genomic)  
244  
245  
246  
247 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
248  
249 GCGGGCAGGG CGGCGGGGGC GGGGCCGAAC CGGTCTACAT AGTCTCTAAA GGG 53  
250  
251 (2) INFORMATION FOR SEQ ID NO:14:  
252  
253 (i) SEQUENCE CHARACTERISTICS:  
254 (A) LENGTH: 17 base pairs  
255 (B) TYPE: nucleic acid  
256 (C) STRANDEDNESS: single  
257 (D) TOPOLOGY: linear  
258  
259 (ii) MOLECULE TYPE: DNA (genomic)  
260  
261  
262  
263 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:  
264  
265 GGTCCCTGTC TTATGTC 17

Page: 6

**Raw Sequence Listing**

07/19/91

17:28:01

**Patent Application US/07/695,201B**

PAGE: 1

SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/07/695,201B

DATE: 07/19/91  
TIME: 17:28:01

LINE ERROR

ORIGINAL TEXT

PAGE: 1

SEQUENCE MISSING ITEM REPORT  
PATENT APPLICATION US/07/695,201B

DATE: 07/19/91  
TIME: 17:28:01

MANDATORY IDENTIFIER THAT WAS NOT FOUND

PRIOR APPLICATION DATA  
APPLICATION NUMBER  
FILING DATE



PAGE: 1

SEQUENCE CORRECTION REPORT  
PATENT APPLICATION US/07/695,201B

DATE: 07/19/91  
TIME: 17:28:01

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CORRECTED TEXT